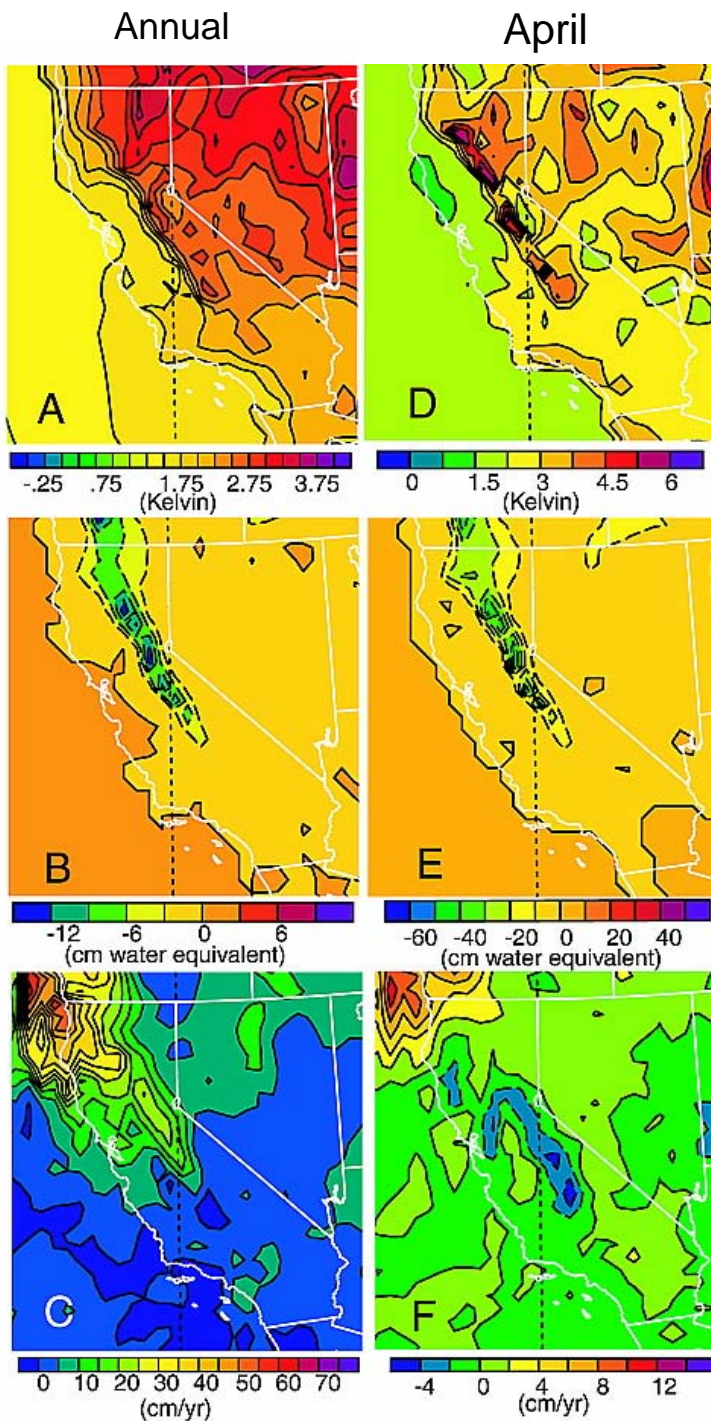


# River Channel Fragmentation

Dynesius & Nilsson, 1994, *Science*, Vol. 266, No. 5186







Average  
temperatures  
increase  
substantially

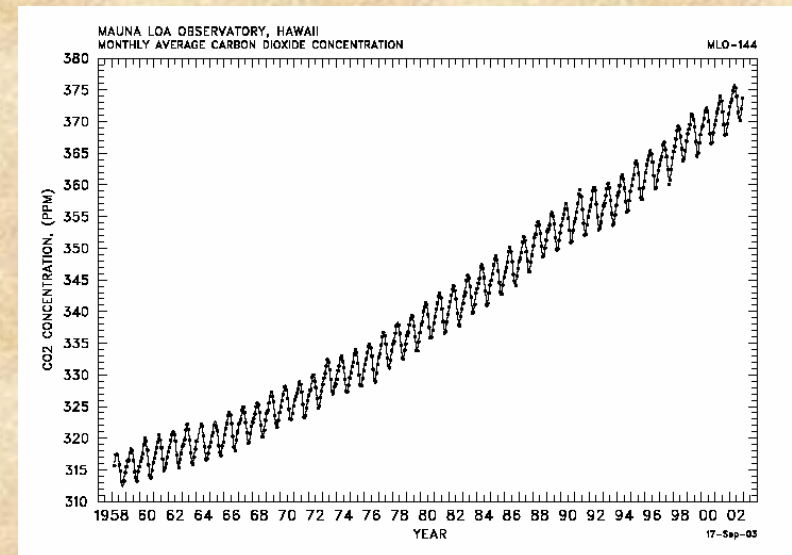
Average snow-  
water  
equivalent  
decreases  
substantially

Average  
precipitation  
increases  
annually,  
decreases in  
April

# Change with a Doubling of Carbon Dioxide Concentration

From Snyder, et al., 2002, Geophysical  
Research Letters, vol. 29.

## Carbon Dioxide Trend 1950-2002



From Keeling and Whorf, February 2004.

<http://cdiac.esd.ornl.gov/trends/co2/sio-mlo.htm>

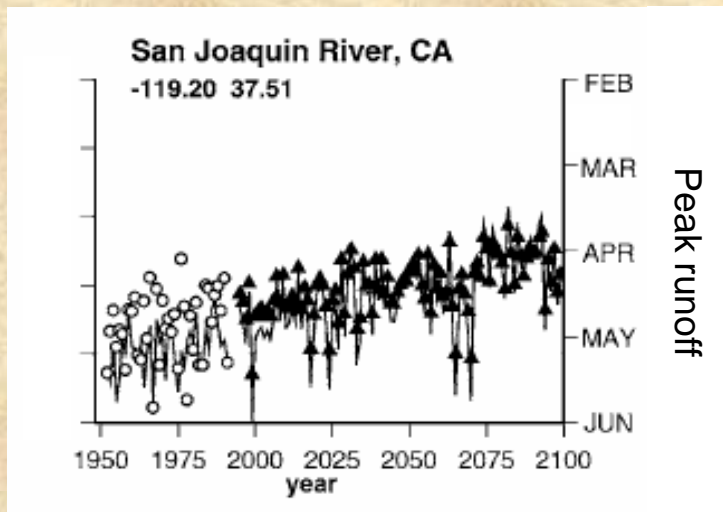
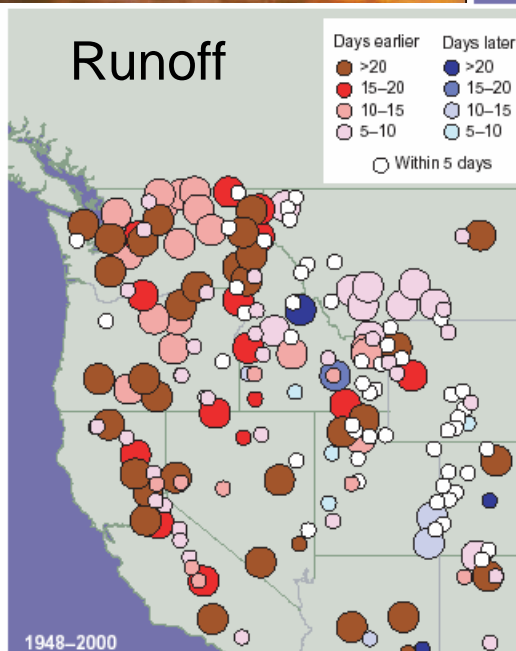
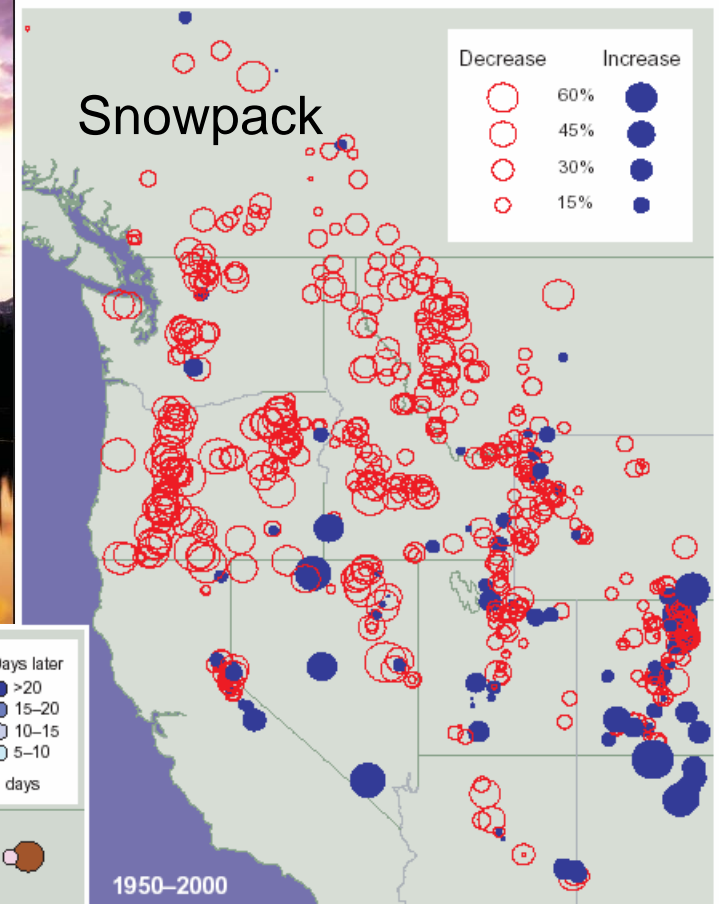


## News Focus

SCIENCE, 20 February 2004, Vol. 303.

In a region already prone to water shortages, researchers now forecast that rising temperatures threaten the American West's hidden reservoir: mountain snow

# As the West Goes Dry



Data and plots from Stewart,  
et al., 2004,  
*Climatic Change*, Vol. 62.